

SPAWAR

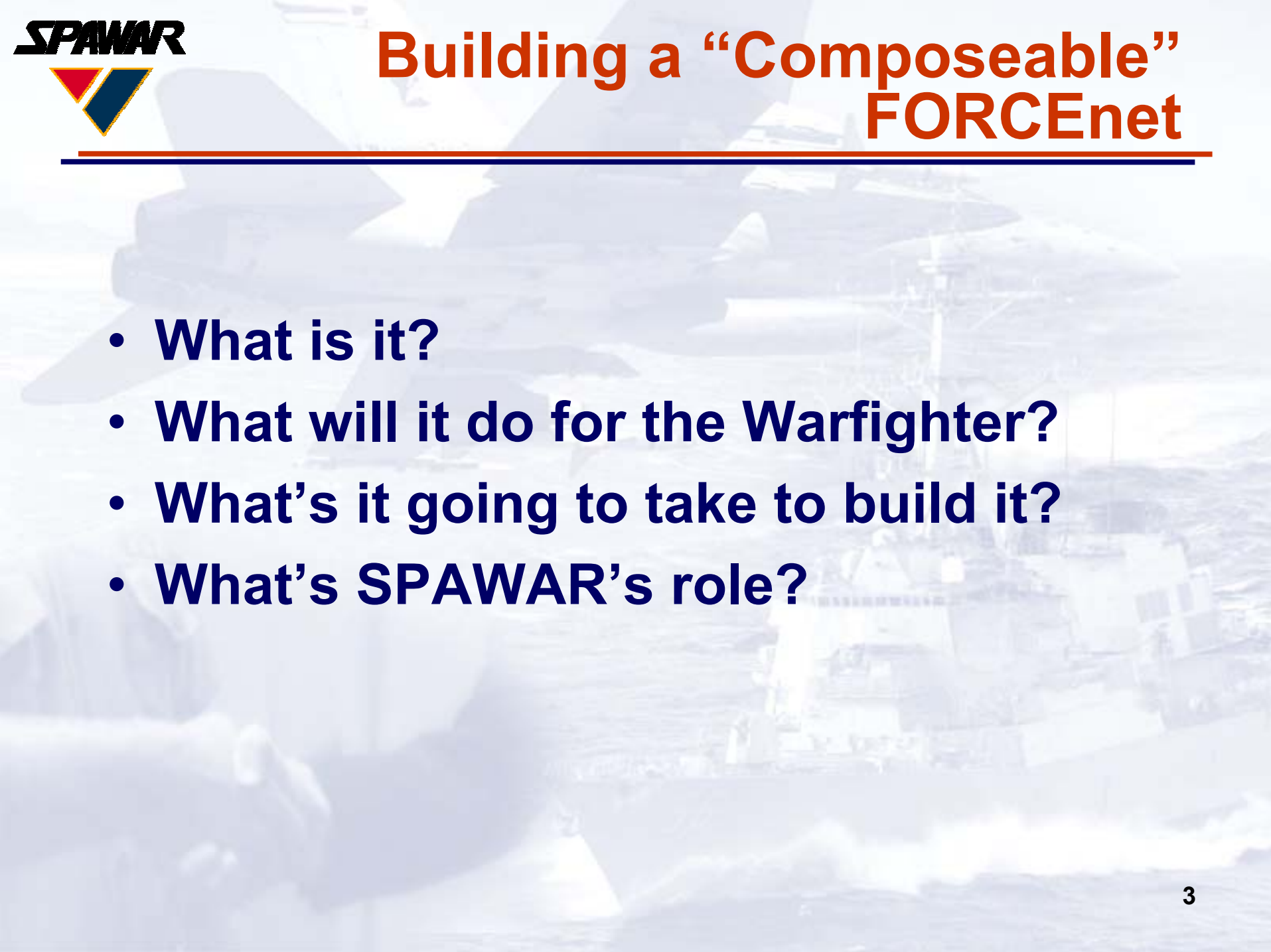




Composing FORCEnet

**Naval-Industry R&D Partnership
Conference 2003
5 Aug 2003**

**RADM Mike Sharp, USN
Vice Commander
Space & Naval Warfare Systems Command**



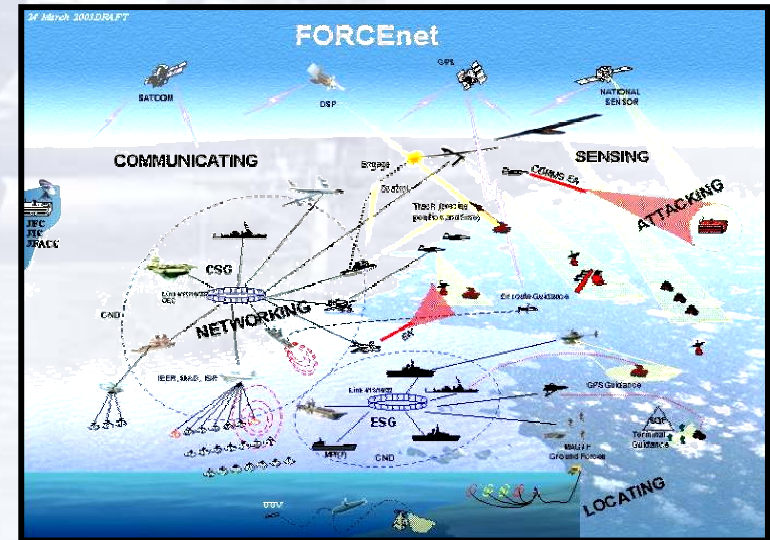
Building a “Composeable” FORCEnet

- What is it?
- What will it do for the Warfighter?
- What’s it going to take to build it?
- What’s SPAWAR’s role?

What is FORCEnet?

- **Architectural Framework**
 - Aligns and integrates into a single network

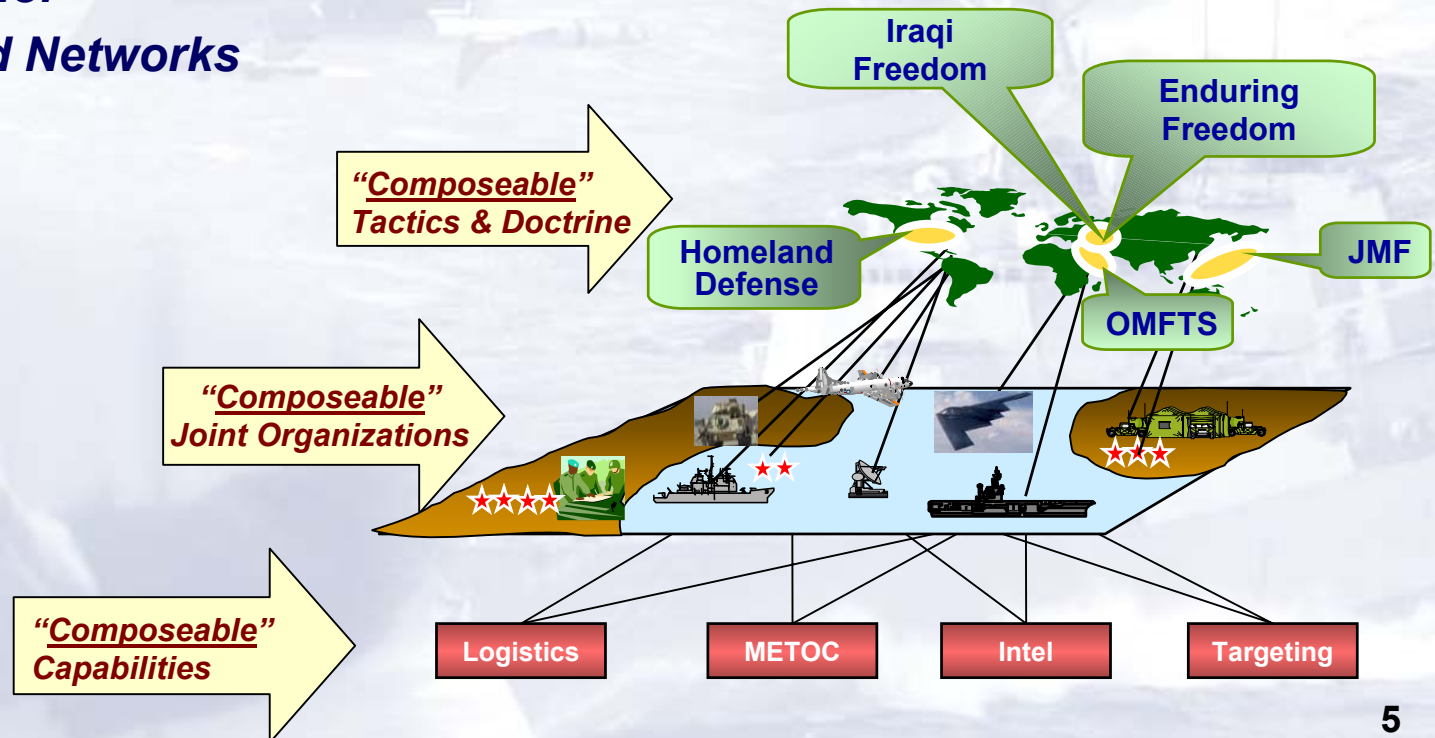
- Warriors
- Sensors
- Command & Control
- Platforms
- Weapons



- Globally networked, distributed combat force
- Scalable
- Transforms doctrine, organization, technology, leadership, personnel, facilities, e.g. warfighting capability into globally networked distributed combat force.

Essential elements

- ***“Composeability” -- The ability to select “on the fly” from a vast network, the specific information resources which are best suited to solving a particular problem or providing specific information.***
- ***“On the fly” -- Sources will change with the information needs of the scenario.***
- ***Distributed Networks***





What will it do for the Warfighter?



“The Web is the brief.”

- RADM Thomas Zelibor, USN

I don't need to see all the things on the battlefield, just the things that are important to me. ...That makes decisions easier. ...This command and control system ... allowed me to make better decisions. It's not perfect, but it's a lot better than I've ever had. It's powerful stuff.

- LTC “Ric” Riera, USA

2nd Battalion, 8th Infantry, 4th ID

“NCW concepts “unlocked the potential combat power that was latent in the JTF, but had been wasted due to segmentation of the battlespace.”

- ADM Dennis Blair





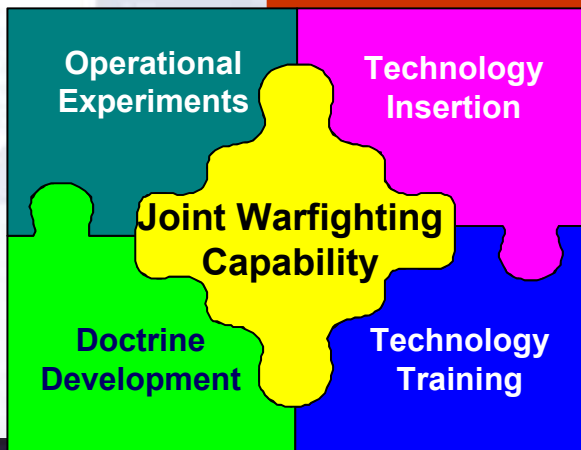
What's it Going to Take?

Architecture

Sea Trial

**Technologists,
operators, experimenters,
and acquisition professionals**

Assessment



**Composeable
FORCEnet
Capability**





The Warfighter's Desktop

GeoViz GeoSpatial Collaboration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://geovizserver/displaypage/DisplayPage3D.asp?ClientName=jboerke>

Community of Interest Views

Round Unload Illumination Opaque Detail South Philippines

Lat: 3.240000
Long: 121.800003
Alt: 1420.9 km
Azim: 0.0
Elev: -68.4

Annotation Control

Annotation File name
File
Name: SPAWAR
URL: <http://www.geoviz.com>

Drawing Tools

Layered Geospatial Data

Geospatial Referenced Data

3D Perspective Display

3D Terrain

Netted Sensors

COP Tracks

Coalition Forces

Linked Documents / Orders

Chat/Instant Messaging

Collaborators
jboerke
martinjl

BaseMap Map Chip Annotation
Map Mark Vector Files
Send Map e-Mail Save

Maps SynTracks jboerke

Local intranet

CNO's Philosophy

"I want everyone here in industry to remember that Vern Clark said here today that we are never ever building another capability that doesn't fit into a FORCENet architecture for the future that ensures everybody is netted and connected. That is the future."

Admiral Vern Clark
Sea Air Space Exposition
Washington, D.C.
April 17, 2003

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